



Caprooyl Tetrapeptide-3

INCI name:	Caprooyl Tetrapeptide-3
Peptide Sequence:	Caprooyl-KGHK
Molecular Formula:	$C_{26}H_{47}N_9O_5$
Molecular weight:	565.71
Cas No.	1012317-71-3
Synonym:	Chronoline
Application:	Cosmetics – anti-aging / anti-wrinkling
Packaging:	bottle
Filling quantity:	1 g / bottle 5 g / bottle 10 g / bottle 100 g / bottle special packaging upon request
Storage and Shelf life:	-20 °C, dark and clean shelf life 24 months and + 2 to +8° C cool, dark and clean shelf life 6 months



Product Spezifikation

Caprooyl Tetrapeptide-3

Manufacturing date: 26.02.2018

Expiry date: 25.02.2020

Test	Specification	Batch No. 20180503
Appearance	white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	565.74 ± 1	conforms
Solubility	soluble in water	conforms
Amino acid composition	± 10 % of theoretical	conforms
Peptide purity (by HPLC)	≥ 95.0 % by area integration	99.62 %
Water content (Karl Fischer)	≤ 8.0 %	1.38 %
Aceate content	≤ 15.0 %	14.28 %

Characteristics

Caprooyl Tetrapeptide-3 stimulates laminin and fibronectin, thus firmly anchors cells to the matrix for optimal cell function and maintenance of DEJ integrity. Caprooyl Tetrapaptide-3 stimulates both collagen VII and laminin-5 to reinforce the normal structure of the DEJ, preventing the flattening that occurs with aging.

(DEJ: Dermis-Epidermis junction)

Use level: 0.001 – 0.02 %

Laminin-5 anchors the epidermis to the dermis for structural support
 Collagen VII anchors the dermis to the DEJ for mechanical stability of the DEJ
 Fibronectin anchors cells to ECM for cell adhesion

Cosmetic benefits

1. Reduces fine lines & wrinkles after 28 days.
2. Provides a continuous long term reduction of fine lines & wrinkles in mature skin
3. Rejuvenates aging skin
4. Makes the skin smoother, firmer, more even for a younger rested look.
5. Helps reduce the appearance of stretch marks